

# OrCam Read 3 (HT407)

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Please retain these instructions for future reference. These instructions are adapted from the manufacturer’s user guide and is also available in other formats.

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## General description

OrCam Read is a highly sophisticated lightweight smart camera. Using AI technology, it instantly reads any printed or digital text from books, newspapers, smartphone screens, computers, and more. It is intuitively operated, with just the press of a button. Either listen via the mini speaker on the device or through headphones (wired or Bluetooth). OrCam Read is the most efficient smart pen on the market, with Speed Reading and the only one with Full Page Capture. It is designed for all ages and does not require an internet connection.

## What’s in the box

* OrCam Read
* Charger
* Cleaning cloth
* Neck lanyard
* USB Connector
* Orcam 3 stand
* External speaker

### Hardware orientation

#### Front

Short flat side. Houses the camera and lasers.

#### Back

Short round ended side. Houses the audio outlet (AUX).

#### Top

Long side with tactile buttons. From front to back (flat to rounded ends); round Trigger button, plus and minus volume buttons, four power indicator LED lights, rectangular power button, charging outlet (USB C) and at the very end an eyelet loop to thread the lanyard through.

#### Bottom

Long flat side.



## Getting started

### Charging your OrCam Read

1. Attach the OrCam charger cable to the type-C outlet on the side of the OrCam Read.
2. Plug the charger into an electrical socket.

For the initial charge, be sure to charge to maximum capacity - leave plugged in for at least three hours.

The OrCam Read fully charges in 90 to 120 minutes.

OrCam recommends using only the original OrCam charger provided.

### Turn on your OrCam Read device.

1. Press the power button on the side of the OrCam Read for about two seconds.
2. The laser-light box will start blinking red.
3. After about one minute you will hear, “OrCam Read is ready. Battery is [x] per cent charged.”

**Note.** If you did not hear the phrase, “OrCam Read is ready”, or you are not sure that the OrCam Read is on, touch the trigger button. If the device is on, you will hear a response.

### Turn off your OrCam Read device.

1. Press the power button once. You will hear, “Suspending. Press again to shut down.”
2. Press the power button again. You will hear, “Shutting down, please wait.”
3. Just before the unit shuts down, you will hear, “Power off. Bye bye.”

**Note.** When you turn the OrCam Read on or off, it is recommended to listen to the system messages.

### Enter Suspend mode

Press the Power button once. You will hear, “Suspending. Press again to shut down”, and then “Suspending” as the device enters Suspend Mode.

### Exit Suspend mode.

1. Press the trigger button twice or press the power button.
2. You will hear, “Waking up. Battery is [x] per cent charged.”

### Automatic Suspend and Power Off

1. The OrCam Read automatically enters suspend mode after three minutes of inactivity. This timeframe can be adjusted in the setup menu.
2. The OrCam Read powers itself off after three hours in suspend mode.

**Note.** When left dormant for the set “automatic suspend time”, suspend mode automatically begins and a small beep is played (no “suspending” announcement will be heard), and will wake up when touched, accompanied by a small beep (and not announce, “waking up”).

## Reading with OrCam

### Reading with Trigger Button

1. Hold the OrCam Read steady, directly facing the text at about six to 14 inches (15 to 35 cm) away from the text.
2. Press the trigger button, which will activate the laser indicator and a square frame will be projected on the text.
3. Adjust the laser square frame to capture the desired text.
4. Continue to press down and after two seconds the camera shutter will sound as OrCam Read takes a picture of the text.
5. OrCam Read will make several beeps as it processes the text. It will then begin reading.

**Note.** If your finger is released before two seconds transpire, the camera will not be activated.

### Reading Navigation

1. To pause reading, press the trigger button twice.
2. To resume reading, press the trigger button twice.
3. To skip forward, press on the plus (+) button (same button as raising volume).
4. To skip back, press on the minus (-) button (same button as lowering volume).
5. To stop reading, press the trigger button.
6. When OrCam Read completes reading, it will make a chime sound.

### Laser Pointer Modes

You can switch the laser pointer mode by pressing the trigger button twice.

There are two Laser Pointer Modes.

1. **Border:** for reading framed text.



1. **Mouse:** to start reading at a specific location.



**Note:** The OrCam Read captures the selected text within two seconds of holding the trigger button.

## Settings and Connectivity

### Menu Settings configuration

To customize your OrCam Read's settings via the audio settings menu:

1. Hold the power button.
2. Press + or - volume button.
3. Release the power button.
4. The device will announce: “Main Menu, reading rate menu, press button to select or use volume buttons for other settings”.

You can now configure your device settings by simply using the volume plus or minus (+ or -) buttons and the trigger button.

To exit the menu, press the trigger button twice.

### Settings Menu layout

1. Reading Speed
2. Volume
3. Reading Settings
4. Connectivity Settings
5. General Settings
6. Exit

### Connecting to Wi-Fi

Prior to connecting to Wi-Fi, make sure to connect your OrCam Read to the charger.

1. On your computer or smartphone, go to [https://www.orcam.com/en-us/wifiset](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.orcam.com%2Fen-us%2Fwifiset&data=05%7C01%7CCharlee.Jarvis%40rnib.org.uk%7C1f02da165c3b4d8116ec08db82bf4f75%7C5d45337cd19243fcaa5805557c9171bc%7C0%7C0%7C638247530454163464%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=hoLmDjYQMECvpN7kPcKdWCcdSE2VhvBIpt2tzNUm0J8%3D&reserved=0)
2. Follow the instructions on the screen to connect to your Wi-Fi network.
3. A QR code will then appear on the screen.
4. Point the OrCam Read device at the QR code on the screen.
5. OrCam Read will chime and make several beeps as it scans the QR code and connects to the Wi-Fi network. It will notify when connected.
6. Once you have connected your Wi-Fi network, OrCam Read will automatically check and install software updates every time you connect to the charger in your Wi-Fi network.

### Connecting to Bluetooth Audio Device

1. Use Bluetooth to connect your OrCam Read to an external speaker or headphones.
2. On the speaker or the headphones, press the Bluetooth pairing button. You may then hear pairing-beeping sounds from the Bluetooth audio device.
3. On your OrCam Read: Enter the settings menu. Select Connectivity Settings menu, then select Bluetooth settings.
4. Choose “Press the trigger button to connect to a Bluetooth audio device or use volume buttons for other settings.” OrCam Read will list available Bluetooth audio devices.
5. Press the trigger button to select the device to which you want to connect.
6. OrCam will connect to the selected speaker or headphone. You may hear “connected” from the Bluetooth audio device.

### Volume Setting

1. To increase the volume, press the plus (+) volume button.
2. To decrease the volume, press the minus (-) volume button.

**Note:** OrCam has 10 volume levels. OrCam Read will announce when the maximum or minimum level is reached.

## Smart reading commands

### Voice commands

#### Smart Reading

This command starts the OrCam Read smart reading feature.

#### Help

This command will have the OrCam Read tell you all the available commands.

#### Read everything

This command will have the OrCam Read announce everything within its field of view.

#### Start from “X” / Jump to “X”

Both commands will have the OrCam Read find the first instance of the word you spoke and start reading from the beginning of the sentence.

#### Read the dates

This command will have the OrCam Read announce every date found in the text.

#### Read the phone numbers

This command will have the OrCam Read announce every phone number found in the text.

#### Read the amounts

This command will have the OrCam Read announce every currency

amount found in the text. The current supported currencies are:

$ Dollar currencies (including USD)

£ British Pound

€ Euro

¥ Japanese yen

#### Previous

This command will have the OrCam Read announce the previous instance.

#### Next

This command will have the OrCam Read announce the next instance.

#### Repeat

This command will have the OrCam Read repeat the last sentence.

#### Read the headlines

This command will have the OrCam Read find all headlines in the text and read them one after the other.

#### Read article number X (X can be numbers 1 to 10)

After reading the headline, speaking this command will have the OrCam Read announce whichever article number you requested.

#### Read the first article/second article (up to tenth article)

Same as “Read article number X”.

#### Read the article about “X”

This command will have the OrCam Read find and read the article that contains the word you say. Note: “X” is a placeholder for the word you are searching.

#### Restart

Should the Smart Reading feature not be functioning properly, you can say this command to restart the mode instead of exiting and re-entering.

#### Volume Up

OrCam Read will raise the device’s volume.

#### Volume Down

OrCam Read will lower the device’s volume.

#### Reading Speed Up

OrCam Read will now speak and read faster.

#### Reading Speed Down

OrCam Read will now speak and read slower.

#### Exit

This command will exit the OrCam Read’s Smart Reading feature.

## Tips

1. For optimal text reading, ensure that the camera lens is directly facing the text, and the lens is clean. The camera can only read text in its field of view.
2. Make sure you do not move text you would like OrCam Read to read while the device is capturing the text.
3. For optimal use of the automatic page recognition feature, make sure at least three edges of the page are in the camera’s field of view.
4. If you are having trouble keeping the text steady, a book stand is recommended.

## How to activate Voice Commands.

Voice commands can be used to more easily control your OrCam Read 3; change settings; and receive information.

There are two ways to activate Voice Commands on your OrCam:

### Option A:

Rapidly press the trigger button twice. You will hear a long beep.

Say one of the voice commands listed below. You will then hear a chime.

OrCam Read 3 will then tell you the information, change the setting, or ask you for more information in order to change the setting.

### Option B:

**Please note:** To use the “Hey OrCam” method below, please first make sure it is activated in the user menu. It can be found in “General Settings”, then navigate to; “To Configure Vocal Command Settings”. Now select the option “Full”. Once you exit the user menu, you will be able to use the “Hey OrCam” command without having to press any buttons.

Say “Hey OrCam”; directly followed by one of the commands below. For example, “Hey OrCam, Tell the Time”.

OrCam Read 3 will then tell you the information, change the setting, or ask you for more information in order to change the setting.

**Available Voice Commands Based on Categories.**

### Help Commands:

#### Help Tell:

Lists all the available commands that begin with “Tell”.

#### Help Settings:

Lists all available commands that will help you modify your device’s settings.

### Tell Commands:

#### Tell the Date:

Tells you the date.

#### Tell the Time:

Tells you the time.

#### Tell the Build:

Tells you the software version.

#### Tell the Battery Status:

States the battery level as well as whether the device is currently charging or not.

#### Tell the Device Serial Number:

States the internal and external IDs of the device.

The next page contains Settings Commands.

### Settings Commands:

#### Volume Up:

Raises the device’s volume.

#### Volume Down:

Lowers the device’s volume.

#### Reading Speed Up:

Makes the reading speed faster.

#### Reading Speed Down:

Slows down the reading speed.

#### Enter the User Menu:

Enter the settings menu.

#### Change the Voice:

Ask you if you want to change the default system voice per language.

#### Change the Laser:

Alternate the Laser between Frame and Pointer.

#### Change the Auto Suspend Time:

Ask you to choose the amount of time to wait in idle state before going to standby mode.

#### Read the QR Code:

Use this vocal command while trying to connect your OrCam Read 3 device to the internet. Refer to Connect to Wi-Fi instructions.

#### Disable the Auto Flash:

Disable the automatic flash feature.

#### Enable the Auto Flash:

Enable the automatic flash feature.

#### Connect to the Bluetooth Audio Device:

Starts the process to connect to a Bluetooth audio device.

#### Check the Internet Connectivity:

State the status of its connectivity to the internet.

The next section is Smart Reading commands.

### Smart Reading Commands:

#### Smart Reading:

Starts the smart reading feature.

#### Exit:

Exits the smart reading feature.

#### Help:

Lists all possible commands for smart reading.

#### Read Everything:

Reads everything in view.

#### Start From X:

Finds first instance of the word & reads to the end of the sentence.

#### Jump to X:

Finds first instance of the word & reads to the end of the sentence.

#### Find X:

Finds all instances of the word and reads them out.

#### Read the Dates:

Reads every date found in the text.

#### Read the Phone Numbers:

Reads every phone number found in the text.

#### Read the Amounts:

Reads every currency amount found in the text (£,$,€,¥).

#### Previous:

Reads the previous instance of the searched for word.

#### Next:

Reads the next instance of the searched for word.

#### Repeat:

Repeats the last sentence.

#### Read the Headlines:

Finds all the headlines in the text and lists them from 1 to 10.

#### Read Article Number X:

(X is 1 to 10). Reads the requested article after reading the headlines.

#### Read the First Article:

Same as read article number, but can be first, up to tenth instead.

#### Read the Article About X:

Finds and reads the article containing the word you requested.

#### Restart:

Re-captures text without having to exit and re-start smart reading.

#### Volume Up:

Increases the volume.

#### Volume Down:

Decreases the volume.

#### Reading Speed Up:

Increases the reading speed.

#### Reading Speed Down:

Decreases the reading speed.

## Magnifier

## Set up

1. Power on the OrCam Read 3
2. On your computer or tablet, browse to [cast.orcam.com](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcast.orcam.com%2F&data=05%7C02%7CCharlee.Jarvis%40rnib.org.uk%7C4662867ab7004d2c5fe008dcc27e8259%7C5d45337cd19243fcaa5805557c9171bc%7C0%7C0%7C638599095827587892%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C0%7C%7C%7C&sdata=6kc7PGktc6KL0p%2B8ojYT%2Boh%2F9FJ%2B8ja0aypiwJY8tlU%3D&reserved=0)
3. Click, ‘Let’s Get Started’
4. Create an account with your email address or sign in with your Google or Apple account.
5. Follow the instructions on the screen to finalise the setup process.

Note: The initial connection might take a few moments. Future connections will occur much quicker.

## Summarisation

1. To summarise a piece of text, say “Hey OrCam, Summarise”.
2. Wait for the device's instructions.
3. Press and hold the trigger button.
4. Aim the laser at the block of text you want to summarise and release the button.
5. The device will say “Summarising”.
6. The device will beep while the text is being summarised.
7. Once ready, the device will read the summary out loud.
8. Note: a WiFi connection is needed for this feature to work.

### Optelec customer support

**Need further help?**

**Call Optelec on 0800 1456115**

### RNIB Technology Support

For information or advice on technology that will be suitable for your needs, please contact our team on 0303 123 9999 and speak to one of our advisors within the Sight Loss Advice Service.

## How to contact RNIB

Phone: 0303 123 9999

Email: shop@rnib.org.uk

Address: The Grimaldi Building, 154a Pentonville Road, London N1 9JE.

Online Shop: shop.rnib.org.uk

Email for international customers: kaorders@rnib.org.uk

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For all returns and repairs contact RNIB first to get a returns authorisation number to help us deal efficiently with your product return.

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Please do not throw items marked with this symbol in your bin. Recycle your electricals and electronic devices free at your local recycling centre. Search for your nearest recycling centre by visiting [www.recyclenow.com](http://www.recyclenow.com).

### Why recycle?

Unwanted electrical equipment is the UK’s fastest growing type of waste.

Many electrical items can be repaired or recycled, saving natural resources and the environment. If you do not recycle, electrical equipment will end up in landfill where hazardous substances will leak out and cause soil and water contamination – harming wildlife and human health.

RNIB are proud to support your local authority in providing local recycling facilities for electrical equipment.

To remind you that old electrical equipment can be recycled, it is now marked with the crossed-out wheeled bin symbol. Please do not throw any electrical equipment (including those marked with this symbol) in your bin.

### What is WEEE?

The Waste Electrical or Electronic Equipment (WEEE) Directive requires countries to maximise separate collection and environmentally friendly processing of these items.

### How are we helping?

In the UK, distributors including retailers must provide a system which allows all customers buying new electrical equipment the opportunity to recycle their old items free of charge. As a responsible retailer, we have met the requirements placed on us by financially supporting the national network of WEEE recycling centres established by local authorities. This is achieved through membership of the national Distributor Take-back scheme (DTS).

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